

WHAT IS CLAIMED IS:

1. A base isolation device for a structure that suppresses vibration in the out-of-plane direction of a structural member of the structure and comprising:
  - 5 a tension member is located between support points, which are located on said structural member and separated by a specified space, and has an overall length that is longer than the space between these support points, and where first link pieces are connected directly to or by way of a rigid member to points along said tension member such that they can rotate freely, second link pieces are connected to said structural
  - 10 member such that they can rotate freely, and where the other ends of these first link pieces and the other ends of the second link pieces are connected such that they can rotate freely;
  - an energizing member located between the structural member of the structure and the connection between the first link pieces and second link pieces, and that by energizing
  - 15 these first link pieces and second link pieces, applies tension to said tension member; and
  - a damping member that is operated by the rotation of said first link pieces and second link pieces.
2. The base isolation device for a structure of claim 1 wherein mass is added at the
- 20 connections between said first link pieces and said second link pieces.
3. The base isolation device for a structure of claim 1 or claim 2 wherein said tension member is constructed using rope.
- 25 4. The base isolation device for a structure of claims 1 or claim 2 wherein said tension member is constructed using a plurality of steel rods that are connected to each other such that they can rotate freely.
5. The base isolation device for a structure of any one of the claims 1 to 4 wherein sets
- 30 of said first link pieces and second link pieces are located at two locations separated by a space in the direction of length of said tension member, and said energizing member and

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damping member are located in the space between said first link pieces or second link pieces of each of these sets.

6. The base isolation device for a structure of any one of the claims 1 to 5 wherein  
5 said damping member is an oil damper.

7. The base isolation device for a structure of any one of the claims 1 to 6 wherein said  
damping member is an active damper, and together with locating a sensor for detecting  
shaking on said structural member, a controller is installed that adjusts the operation of  
10 said active damper based on the detection signal from the sensor.

8. The base isolation device for a structure of claim 7 wherein said sensor is an  
acceleration sensor.

15 9. The base isolation device for a structure of claim 7 wherein said sensor is a  
displacement sensor.

10. The base isolation device for a structure of claim 7 wherein said sensor is a  
velocity sensor.

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11. The base isolation device for a structure of any one of the claims 1 to 5 wherein  
said damping member is a viscoelastic member or elasto-plastic member.